

IN THE CLAIMS:

Cancel Claims 28, 43, 53 and 54 without prejudice and amend Claims 29-34, 36-38, 40-42, 44-47, 52, 55, 57, 58 and 60 as follows:

Claims 1-28. Canceled

29. (Currently Amended) The communication system according to claim ~~34~~ 28, wherein four subscriber areas are provided, with a ~~the~~ first subscriber area preferably being allocated to a home location of a user, and a ~~the~~ second subscriber area preferably being allocated to a business location of the user.

30. (Currently Amended) The communication system according to claim ~~31~~ 28, wherein individual subscriber areas can overlap several selected subscriber areas.

31. (Currently Amended) A ~~The~~ communication system ~~according to claim 29 for a~~ mobile radio telephone system having at least one network unit which serves a predetermined overall area, comprising

at least one subscriber area within this overall area stipulated and having allocated at least one subscriber number,

at least one radio cell arranged in the overall area to transmit a signal containing coordinates to a mobile user unit within the system, and

means for calculating whether the coordinates transmitted by the radio cell responsible for transmission lie within the subscriber area, wherein

four subscriber areas are provided, with a first subscriber area preferably being allocated to a home location of a user, and a second subscriber area preferably being allocated to a business location of the user, and

the subscriber areas have varying application priorities.

32. (Currently Amended) The communication system according to claim 34 28 comprising a plurality of subscriber areas, wherein the subscriber areas is written into a subscriber code module (SIM).

33. (Currently Amended) The communication system according to claim 34 28, wherein the subscriber area encompasses several radio cells and/or serves several user units.

34. (Currently Amended) A The communication system according to claim 28 for a mobile radio telephone system having at least one network unit which serves a predetermined overall area, comprising

at least one subscriber area within this overall area stipulated and having allocated at least one subscriber number,

at least one radio cell arranged in the overall area to transmit a signal containing coordinates to a mobile user unit within the system, and

means for calculating whether the coordinates transmitted by the radio cell responsible for transmission lie within the subscriber area, wherein

a first subscriber number constitutes a mobile subscriber number, and a second subscriber number constitutes a geographic number, and

the subscriber can be called via the mobile subscriber number or geographic number.

35. (Previously Presented) The communication system according to claim 34, wherein at least one storage area (cache) containing the subscriber area on a subscriber code module (SIM).

36. (Currently Amended) The communication system according to claim 34 28,

wherein the subscriber area is stipulated by a location and local radius.

37. (Currently Amended) The communication system according to claim 36 28, wherein the local radius is determined by scanning several radio cells situated around the location and the local radius is measured as a function of reception strength.

38. (Currently Amended) The communication system according to claim 34 28, wherein a fixed station or several fixed stations is/are additionally provided within the subscriber area.

39. (Previously Presented) The communication system according to claim 38, wherein location coincides with the position of the fixed station.

40. (Currently Amended) The communication system according to claim 34 28, wherein a display is provided in a user unit to indicate whether the user unit is located within the subscriber area.

41. (Currently Amended) The communication system according to claim 34 28, wherein a global system for mobile communication (GSM) is used.

42. (Currently Amended) A The communication system according to claim 41 for a mobile radio telephone system having at least one network unit which serves a predetermined overall area, comprising

at least one subscriber area within this overall area stipulated and having allocated at least one subscriber number,

at least one radio cell arranged in the overall area to transmit a signal containing coordinates to a mobile user unit within the system, and

means for calculating whether the coordinates transmitted by the radio cell responsible for transmission lie within the subscriber area, wherein

a global system for mobile communication (GSM) is used, and

a first and second code are provided, the first code signals whether a user unit is authorized in the subscriber area, and the second code signals whether a stipulation has already taken place relative to the subscriber area.

Claim 43. Canceled

44. (Currently Amended) The method according to claim ~~53~~ 43, wherein the subscriber area is stipulated by the network unit.

45. (Currently Amended) A The method according to claim 44 for operating a communication system for a mobile radio telephone system, which comprises the following steps:

providing a network unit with an overall area;

stipulating at least one subscriber area within its overall area, and

allocating at least one subscriber number in the subscriber area, wherein

the overall area incorporates at least one radio cell that transmits a signal

containing coordinates to a mobile user unit within the system,

a calculation is performed to determine whether the transmitted coordinates for the radio cell lie within the stipulated subscriber area,

the subscriber area is stipulated by the network unit, and

the subscriber area is stipulated by

a) specifying a location;

b) measuring local radius using a graphic information system (GIS) with a database containing locations and considering that the local radius contains several radio cells;

c) storing the location and local radius in a network unit file; and

d) transmitting the location and local radius to a subscriber detection module as a user unit.

46. (Currently Amended) The method according to claim ~~53~~ 43, wherein the subscriber area is stipulated by a user unit.

47. (Currently Amended) ~~The A method according to claim 46~~ for operating a communication system for a mobile radio telephone system, which comprises the following steps:

providing a network unit with an overall area;

stipulating at least one subscriber area within its overall area, and

allocating at least one subscriber number in the subscriber area, wherein

the overall area incorporates at least one radio cell that transmits a signal containing coordinates to a mobile user unit within the system,

a calculation is performed to determine whether the transmitted coordinates for the radio cell lie within the stipulated subscriber area,

the subscriber area is stipulated by a user unit, and

the subscriber area is stipulated by

a) checking a first and second code, wherein the first code signals whether the user unit is authorized in the subscriber area, and the second code signals whether a stipulation has already taken place relative to the subscriber area;

b) selecting the radio cells present around the user unit based on signal strengths;

c) recording the radio cell currently used for switching;

d) determining urban network code and cell code (cell ID) based on the recorded radio cell;

e) transmitting the urban network code and cell code to a centralized point of the network unit and simultaneously storing address of the centralized point in a subscriber code (SIM);

f) determining location and local radius based on a file provided in a centralized point containing all radio cells;

g) generating a subscriber file within the centralized point, which is write protected;

h) transmitting the location and local radius to the subscriber code module of the user unit; and

i) updating the location and local radius stored in the user unit.

48. (Previously Presented) The method according to claim 45 wherein square of the local radius is transmitted to a subscriber code module (SIM).

49. (Previously Presented) The method according to claim 45, wherein a display indicates whether the user unit is located in the subscriber area.

50. (Previously Presented) The method according to claim 49, wherein a check is performed to determine whether a new radio cell lies within a prescribed subscriber area.

51. (Previously Presented) The method according to claim 50, wherein a display indicates which subscriber area is activated.

52. (Currently Amended) A The method according to claim 43 for operating a communication system for a mobile radio telephone system, which comprises the

following steps:

providing a network unit with an overall area;

stipulating at least one subscriber area within its overall area, and

allocating at least one subscriber number in the subscriber area, wherein

the overall area incorporates at least one radio cell that transmits a signal

containing coordinates to a mobile user unit within the system,

a calculation is performed to determine whether the transmitted coordinates for the radio cell lie within the stipulated subscriber area, and

at least one of the following steps (a)–(c):

(a) incoming information is relayed if a user unit is located outside the subscriber area,

(b) the subscriber areas can be stipulated repeatedly and/or with various radio cells, and

(c) two subscriber calls are allocated in a subscriber area.

Claims 53-54. Canceled

55. (Currently Amended) The communication system according to claim 34 28, wherein said means additionally determine whether the radio cell forming part of a mobile telephone is located in a home zone.

56. (Previously Presented) The communication system according to claim 55, wherein said radio cell transmits the signal containing the coordinates which provide information on the current location of the radio cell.

57. (Currently Amended) The communication system according to claim 34 28, wherein said radio cell transmits the signal containing the coordinates which provide

information on the current location of the radio cell.

58. (Currently Amended) The method of claim 53 ~~43~~, comprising the additional step of determining whether the radio cell forming part of a mobile telephone is located in a home zone.

59. (Previously Presented) The method of claim 58, wherein said radio cell transmits the signal containing the coordinates which provide information on the current location of the radio cell.

60. (Currently Amended) The method of claim 53 ~~43~~, wherein said radio cell transmits the signal containing the coordinates which provide information on the current location of the radio cell.

61. (Previously Presented) A communication system
for a mobile radio telephone system having at least one network unit which serves a predetermined overall area, comprising

at least one subscriber area within this overall area stipulated and having allocated at least one subscriber number,

at least one radio cell arranged in the overall area to transmit a signal containing coordinates to a mobile user unit within the system, and

means for calculating whether the coordinates transmitted by the radio cell responsible for transmission lie within the subscriber area, wherein

said mobile user unit comprises a subscriber code module in which coordinates and a radius of said at least one subscriber area is stored, and

said calculating means additionally determine whether

absolute difference between the coordinates transmitted by the radio cell and said

at least one subscriber area exceed a predetermined value, and

if the predetermined value is not exceeded, square of said difference exceeds square of said radius.

62. (Previously Presented) A method for operating a communication system for a mobile radio telephone system, comprising the steps of

providing a network unit with an overall area;

stipulating at least one subscriber area within its overall area,

allocating at least one subscriber number in the subscriber area,

incorporating, in the overall area, at least one radio cell that transmits a signal containing coordinates to a mobile user unit within the system,

performing a calculation to determine whether the transmitted coordinates for the radio cell lie within the stipulated subscriber area,

storing coordinates and a radius of said at least one subscriber area in a subscriber code module located within said mobile user unit,

calculating and determining whether absolute difference between the coordinates transmitted by the radio cell and said at least one subscriber area exceed a predetermined value, and

if the predetermined value is not exceeded, calculating and determining whether square of said difference exceeds square of said radius.